

Figure 1

The diagram illustrates a microfluidic system for sorting particles. A reservoir (1) at the top left contains a mixture of particles. The fluid flows through a U-shaped channel (2a, 2b) where particles are initially mixed. The channel then splits into two parallel paths, each containing a rectangular block (3). These paths converge at a junction (7). From this junction, the flow is directed into a vertical sorting channel (4). This channel contains a series of spherical particles (5) and a central sorting element (6). The flow direction is indicated by arrows at the top and bottom of the vertical channel. The sorted particles exit the system through two separate outlets at the bottom, labeled (8), with arrows indicating the flow direction.

Figure 2

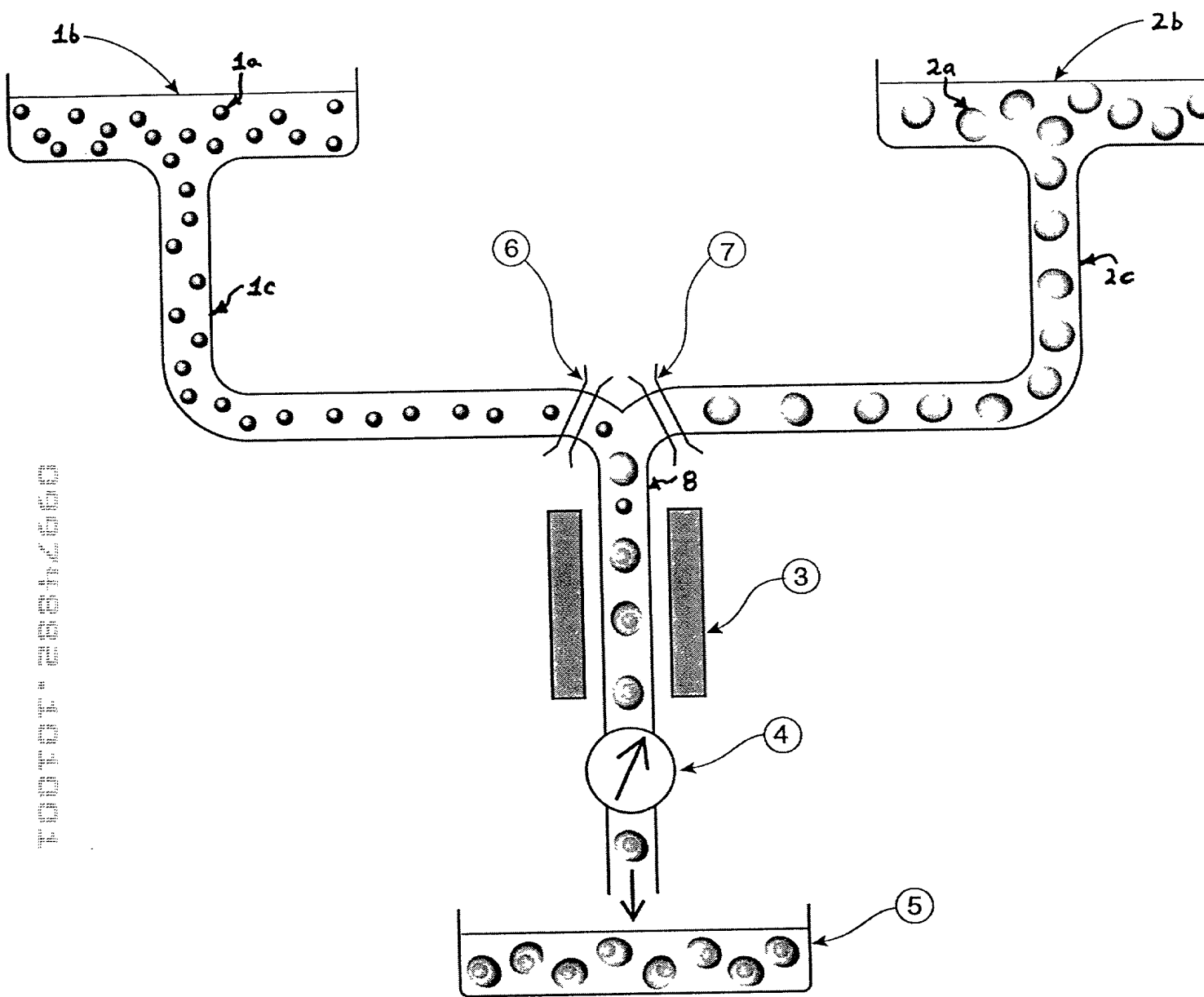


Figure 3